

Sushant University

School of Engineering & Technology

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ABHIYANTRIKI

The Official Newsletter of
School of Engineering and Technology

EVENTS

FESTIVALS

CLUB CORNER

STUDENT & FACULTY ACHIEVEMENTS

ALUMNI PAGE

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FACULTY'S NOTE

**DR. MONIKA
KHURANA**



DEAR STUDENTS,

AS WE BEGIN THIS NEW SEMESTER, I WANT TO SHARE SOME ENCOURAGING WORDS. EACH OF YOU BRINGS UNIQUE TALENTS, PERSPECTIVES, AND STRENGTHS TO OUR COMMUNITY, AND IT'S THESE DIFFERENCES THAT ENRICH OUR COLLECTIVE EXPERIENCE.

THE PATH OF ACADEMIC PURSUIT CAN BE CHALLENGING, BUT REMEMBER THAT EVERY CHALLENGE YOU ENCOUNTER IS A CHANCE TO GROW. EMBRACE THESE MOMENTS AND DON'T BE AFRAID TO STEP OUT OF YOUR COMFORT ZONE. WHETHER YOU'RE TACKLING A TOUGH SUBJECT, WORKING WITH PEERS, OR SEEKING HELP WHEN NEEDED, EACH STEP YOU TAKE IS PROGRESS TOWARDS YOUR PERSONAL AND PROFESSIONAL GROWTH.

OUR FACULTY IS HERE TO SUPPORT YOU EVERY STEP OF THE WAY. WE ARE DEDICATED TO PROVIDING THE TOOLS, GUIDANCE, AND ENCOURAGEMENT YOU NEED TO SUCCEED. DON'T HESITATE TO REACH OUT, ASK QUESTIONS, AND ENGAGE FULLY WITH YOUR STUDIES. YOUR SUCCESS IS OUR GREATEST REWARD, AND WE ARE COMMITTED TO HELPING YOU ACHIEVE YOUR GOALS.

BELIEVE IN YOUR POTENTIAL, STAY CURIOUS, AND PERSEVERE. THE JOURNEY AHEAD IS FILLED WITH OPPORTUNITIES, AND I AM CONFIDENT YOU WILL ACHIEVE GREAT THINGS.

EDITOR'S NOTE

Hello Everyone,

We are pleased to present the Newsletter for the January - March, 2024 quarter. A newsletter, as we all know, reflects a university's vision and mission while also promoting events, activities, and accomplishments. We have attempted to convey the excitement and activities of the last three months in this edition. We hope you enjoy the Newsletter and urge students to utilise it as a creative outlet.



Aaditya Gupta



Dr. Bindu Thukral
Editor-in Chief



Kshitij Gupta



Abhijit Mandal



Tanisha Garg



Divyanshi

SET EVENTS





EVENTS



BLAZE VIII

The Annual Sports Event, BLAZE VIII, concluded from 9th-11th February 2024, showcasing the talent, enthusiasm, and sports spirit of Sushant University students.

This three-day event, attended by students and faculty, was a resounding success. Mr. Kuldeep Yadav, a renowned sports personality and owner of 5X Protein, graced the event as the Chief Guest. The inauguration featured the Hon'ble Vice Chancellor, Prof. (Dr.) Rakesh Ranjan, receiving salutations from the March Past teams, followed by the University captain igniting the University Baton and the release of balloons. Students competed in cricket, football, volleyball, basketball, badminton, and more.

BLAZE VIII was a celebration of camaraderie and sportsmanship, uniting the Sushant University community and setting a high benchmark for future events.



EVENTS

EXPERIA'24: A CULTURAL EXTRAVAGANZA

On October 5, 2023, the School of Engineering at Sushant University hosted an essential Cyber Security Training session specifically designed for BCA students. This comprehensive training was an incredible opportunity for students to delve deep into the world of cyber security, gaining critical skills necessary to protect against various cyber threats and understanding the latest advancements in security protocols.

EXPERIA'24, Sushant University's Annual Fest held on 24th February 2024, was a grand success, blending cultural activities, competitions, and entertainment.

The event featured a live concert by Jassi Gill and Babbal Rai, along with Inter-University Dance and Singing Competitions and a Fashion Show, drawing a diverse and enthusiastic audience. The festival delivered on its promise of vibrant celebrations with engaging competitions and entertainment. The Inter-University contests showcased exceptional talent, while the Fashion Show captivated attendees with its stunning visuals. The active participation of students, faculty, staff, sponsors, and guests fostered a strong sense of community.

Under the astute guidance of Dr. Bindu Thakral, the chairperson, EXPERIA'24 provided a memorable experience for all and set a high standard for future events at Sushant University. This event was a significant step in preparing our students for the complexities of the digital world, ensuring they are well-equipped to safeguard their future careers in the IT industry. The feedback from participants was overwhelmingly positive, highlighting the relevance and immediate applicability of the skills learned.

Thank you to everyone who participated and contributed to making this event a resounding success. We look forward to organizing more such informative and engaging sessions in the future to continue enhancing our students' expertise.





SEMINAR



CAREERS IN THE CYBER SECURITY DOMAIN

On 30th January, the Sushant Cyber Warriors club hosted a special guest lecture on "Careers in the Cyber Security Domain" with Mr. Neeraj Sharma, a distinguished expert in cybersecurity, as the keynote speaker. Held at the D-421 Auditorium, the event attracted a large audience of students eager to gain insights into the dynamic and ever-evolving field of cyber security.

Mr. Sharma, with his extensive experience and notable contributions to the industry, provided a comprehensive overview of the current landscape of cyber security. He highlighted emerging trends, such as the increasing importance of artificial intelligence and machine learning in threat detection and prevention. He also discussed various career opportunities available within the domain, from ethical hacking and penetration testing to roles in compliance and security policy development.

A key takeaway from Mr. Sharma's lecture was the emphasis on the critical skills required to excel in cyber security, including analytical thinking, problem-solving, and continuous learning. He encouraged students to stay updated with the latest technological advancements and to pursue relevant certifications to enhance their expertise.

The session concluded with an interactive Q&A, where students engaged with Mr. Sharma, seeking advice on career paths and industry best practices. The event was highly beneficial, leaving attendees with a deeper understanding and renewed enthusiasm for pursuing careers in cyber security.



CLUB ZONE



We're thrilled to announce the launch of new clubs at Sushant University's School of Engineering and Technology (SET), designed to enhance your student experience and provide creative outlets:

Manoranjan Chitrakala

Unleash your artistic side with the SET Drama Club! Whether you love singing, dancing, or acting, this club is your stage. Led by Anmol Bhatnagar (BCA 2nd year), Manoranjan Chitrakala promises to be a hub of creativity.

Tasveerein

Capture the world's beauty with the Photography Club. Led by Piyaasha Sharma and Nikhil Maurya (BCA 2nd year), Tasveerein offers a vibrant space to develop your visual storytelling skills.

Sports Club

Join the Sports Club for thrilling teamwork and victory! Whether on the field or in digital arenas, Ankit Tomar, Mayank Sharma (BCA 2nd year), and Aryan Bhatia (E-Sports Co-Head, BCA 2nd year) are ready to lead you to new heights.

✦ **Anime Club** ✦

Dive into the world of anime with the Anime Club. Led by Manisha Jaiswal and Varenya Visen (Btech 3rd year), this club is the perfect place to geek out over your favorite series.

Join us and make the most of your university experience with these exciting new clubs!

A yellow trophy cup with two handles, sitting on a purple base. The base has a pink rectangular plaque on its front face. The background is split vertically: white on the left and dark blue on the right.

Faculty Achievements



FACULTY ACHIEVEMENTS



Prof. Antim Dev Mishra attended a national conference on 'Final hearing for grant of his application number - 202211042331' and gained insightful learning.

Dr. Monika Khurana presented a paper titled 'CHALLENGES AND OPPORTUNITIES OF NATIONAL EDUCATION POLICY 2020 IN HIGHER EDUCATIONAL INSTITUTES' in a National Conference at KCC Institute.



Prof. Antim Dev Mishra attended a national workshop on 'IC manufacturing Process' organised by SSPL DRDO.



Creative Zone



TALENT ZONE



- **ILLUSTRATION BY HARDIK SHARMA A 3RD YEAR B.TECH. STUDENT**



[@CODESTRATE](https://www.instagram.com/CODESTRATE)

- **PHOTOS CLICKED AND EDITED BY ABHIJIT A 3RD YEAR B.TECH STUDENT**



To get your art/ talent featured in the next edition of newsletter mail it on xxxxxx@gmail.com.



BLOGS



Dr. Bindu Thakral

EMBRACING AI: TRANSFORMING DAILY LIFE WITH INTELLIGENT TOOLS

Artificial Intelligence (AI) has transitioned from a futuristic concept to an integral part of our daily lives, seamlessly blending into our routines and enhancing various aspects of our day-to-day activities. From personal assistants to healthcare applications, AI tools are revolutionizing how we live, work, and interact. Let's explore some of the most impactful AI tools that are making a difference in our everyday lives.

- 1. Personal Assistants:** AI-powered personal assistants like Siri, Google Assistant, and Alexa have become household names. These virtual helpers can manage schedules, set reminders, send messages, and even control smart home devices. By understanding natural language commands, they simplify tasks and improve productivity, allowing us to focus on more important activities.
- 2. Smart Home Devices:** AI is at the core of smart home technology, creating more efficient and convenient living spaces. Smart thermostats like Nest learn our temperature preferences and adjust settings automatically to save energy. AI-enabled security systems recognize faces and unusual activities, enhancing home security. Even smart refrigerators can suggest recipes based on available ingredients, reducing food waste and making meal planning easier.
- 3. Healthcare:** AI tools are transforming healthcare by providing personalized medical advice and improving diagnostic accuracy. Wearable devices like smartwatches monitor vital signs and physical activity, alerting users to potential health issues. AI algorithms analyze medical images, assisting doctors in diagnosing conditions like cancer at an early stage. Virtual health assistants provide round-the-clock support, answering health-related questions and offering guidance on managing chronic conditions.
- 4. Transportation:** AI is reshaping transportation through innovations like self-driving cars and intelligent traffic management systems. Autonomous vehicles, powered by AI, promise safer and more efficient travel by reducing human error. AI-based navigation apps like Waze provide real-time traffic updates and optimal routes, saving time and reducing congestion.



BLOGS



5. **Entertainment:** Streaming services such as Netflix and Spotify utilize AI to curate personalized content recommendations based on user preferences and viewing history. AI-driven algorithms analyze patterns in our consumption habits, suggesting movies, shows, and music that align with our tastes. This not only enhances our entertainment experience but also helps us discover new content we might enjoy.
6. **Shopping:** AI tools are revolutionizing the shopping experience both online and offline. E-commerce platforms use AI to offer personalized product recommendations, improving the shopping experience and increasing customer satisfaction. In physical stores, AI-powered cashier-less checkout systems like Amazon Go streamline the purchase process, eliminating the need for long queues.
7. **Finance:** AI is enhancing financial services by providing better risk assessment, fraud detection, and personalized financial advice. Chatbots and virtual assistants in banking apps help customers manage their finances, answer queries, and perform transactions efficiently. AI-driven algorithms analyze spending patterns to offer budgeting tips and investment advice, empowering users to make informed financial decisions.
8. **Education:** AI is transforming education by offering personalized learning experiences and automating administrative tasks. Intelligent tutoring systems provide customized learning paths based on individual student needs, improving educational outcomes. AI-powered tools also assist teachers with grading and administrative duties, allowing them to focus more on teaching and student engagement.

Conclusion

AI tools are undeniably reshaping our daily lives, making tasks more efficient, enhancing convenience, and providing personalized experiences. As AI technology continues to evolve, its integration into various aspects of our lives is expected to grow, further transforming the way we live and interact with the world around us. Embracing these intelligent tools can lead to a more connected, efficient, and enriched lifestyle, demonstrating the true potential of artificial intelligence in our daily routines.



BLOGS



Dr. Rinky Ahuja

EXPLORING THE CURRENT MARKET TRENDS IN TECHNOLOGY

The technology landscape is in a constant state of evolution, driven by rapid advancements and innovative breakthroughs. As we navigate through 2024, several key market trends are shaping the future of technology, influencing industries, businesses, and our daily lives. Here, we delve into some of the most impactful trends currently dominating the tech market.

Artificial Intelligence and Machine Learning: Artificial Intelligence (AI) and Machine Learning (ML) continue to be at the forefront of technological innovation. These technologies are becoming increasingly sophisticated, powering advancements in various sectors such as healthcare, finance, and customer service. AI-driven applications like chatbots, predictive analytics, and personalized marketing are transforming how businesses operate, offering more efficient and tailored solutions. The integration of AI in everyday products and services is enhancing user experiences and automating complex processes.

5G Technology: The rollout of 5G networks is revolutionizing connectivity, offering unprecedented speeds and reduced latency. This next-generation wireless technology is not only enhancing mobile communications but also enabling the growth of the Internet of Things (IoT). With 5G, industries are experiencing a surge in innovation, from smart cities and autonomous vehicles to advanced robotics and remote healthcare. The enhanced connectivity is paving the way for new business models and services that were previously unimaginable.

Edge Computing: Edge computing is emerging as a crucial technology to support the growing demand for real-time data processing. By bringing computation and data storage closer to the source of data generation, edge computing reduces latency and bandwidth usage. This trend is particularly significant for applications in IoT, autonomous vehicles, and industrial automation, where real-time processing is essential. Companies are increasingly adopting edge solutions to improve performance, enhance security, and achieve greater operational efficiency.



BLOGS



4. **Blockchain Technology:** Blockchain technology is gaining traction beyond cryptocurrencies, finding applications in various industries such as supply chain management, healthcare, and finance. Its decentralized and secure nature makes it ideal for enhancing transparency, reducing fraud, and improving traceability. Businesses are exploring blockchain for smart contracts, secure transactions, and decentralized applications (DApps), driving innovation and efficiency across multiple sectors.
5. **Sustainable Technology:** Sustainability is becoming a key focus in the tech industry, with companies striving to reduce their environmental impact. From energy-efficient data centers and renewable energy sources to sustainable product design and recycling initiatives, technology firms are embracing green practices. Innovations in clean energy, electric vehicles, and sustainable manufacturing are driving the transition towards a more sustainable future, aligning technological progress with environmental responsibility.
6. **Cybersecurity:** As digital transformation accelerates, cybersecurity remains a critical concern. The rise in cyber threats and data breaches is prompting businesses to invest heavily in advanced security measures. Technologies such as AI-powered threat detection, zero-trust security models, and blockchain-based security solutions are enhancing the protection of digital assets. Cybersecurity is evolving to address the complexities of the modern digital landscape, ensuring the integrity and confidentiality of data.

Conclusion

The current market trends in technology reflect a dynamic and rapidly changing landscape, driven by innovation and the increasing integration of advanced technologies. From the transformative impact of AI and 5G to the potential of quantum computing and the emphasis on sustainability, these trends are shaping the future of industries and redefining the possibilities of the digital age. Staying abreast of these developments is crucial for businesses and individuals alike, as we continue to navigate the exciting and ever-evolving world of technology.

OUR RECRUITERS



ALUMNI PAGE



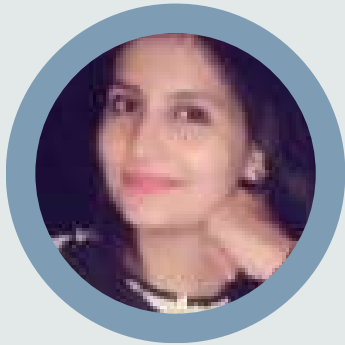
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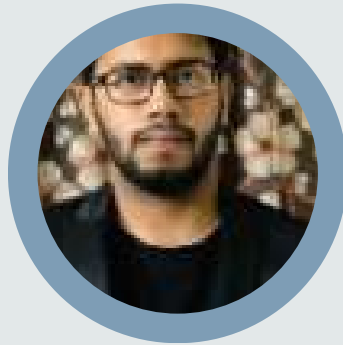
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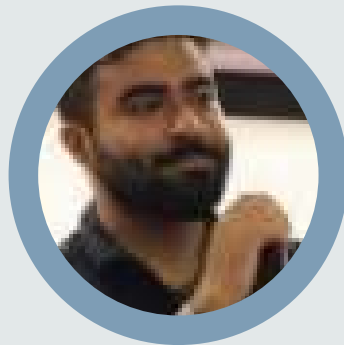
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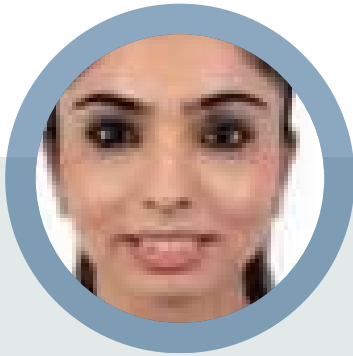
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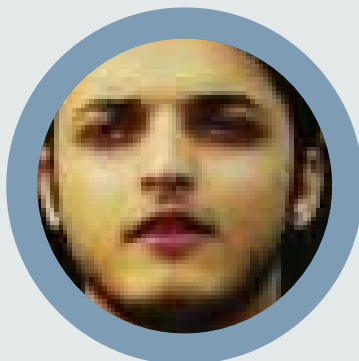
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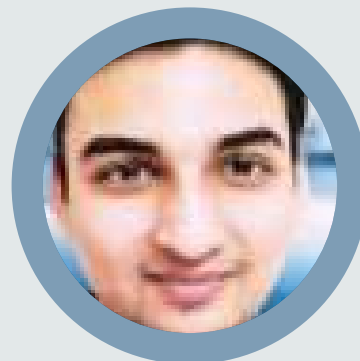
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